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# IN SENATE,

April 27, 1877.

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## ANNUAL REPORT

OF THE

## AMERICAN GEOGRAPHICAL SOCIETY FOR THE YEAR 1876.

AMERICAN GEOGRAPHICAL SOCIETY,
No. 11 WEST 29TH STREET, NEW YORK, *April 17, 1877.*

Hon. WILLIAM DORSHEIMER,
*President of the Senate of the State of New York:*

SIR.—In conformity with the provisions of the act incorporating this Society, I have the honor to transmit herewith the annual report of the American Geographical Society for the year 1876.

Very respectfully yours,
CHARLES P. DALY,
*President.*

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# CONTENTS.


PAGE.

List of Officers and Councilors ..... v
Charter of Incorporation ..... 2
Amended Charter ..... 4
By-laws ..... 6
Honorary and Corresponding Members ..... 14
Fellows ..... 16
Transactions of the Society—1876 ..... 27

PAPERS READ BEFORE THE SOCIETY.

Annual Address, by Chief-Justice DALY, LL. D., President of the Society. Subject —The Geographical Work of the World in 1876 ..... 45
A Dog-Sledge Journey in Kamtschatka and North-eastern Siberia, by GEORGE KENNAN ..... 96
Reception of Dom Pedro D'Alcantara, Emperor of Brazil; Dr. Augustus Petermann, of Gotha; Prof. A. E. Nordenskjöld, of Stockholm, and Dr. C. H. Berendt, of Guatemala; introduction by Chief-Justice DALY, LL. D ..... 131
Paper by Dr. C. H. BERENDT upon the Geographical Distribution of the Ancient Central American Civilization ..... 133
Letter of Prof. A. E. NORDENSKJÖLD ..... 145
Remarks of the Hon. BAYARD TAYLOR ..... 146
Remarks of Dr. AUGUSTUS PETERMANN ..... 148
Remarks of Chief-Justice DALY ..... 156
Remarks of Dr. I. I. HAYES ..... 159
Two Months in Burmah, by FRANK VINCENT, Jr ..... 162
Surveys and Reconnoissances from 1870 to 1875 for a Ship Canal across the American Isthmus, by Commodore DANIEL AMMEN, U. S. Navy ..... 188
Palestine Exploration beyond the Jordan, by Rev. R. D. HITCHCOCK, D.D ..... 204
On the Ruins East of the Jordan, by WILLIAM H. GOODYEAR ..... 206
Upon Syrian Ruins, by Prof. WM. H. THOMSON, M. D ..... 208
Discussion upon a Proposed Interoceanic Canal through Nicaragua—Remarks by Col. T. BAILEY MYERS ..... 210
Remarks by Señor MANUEL M. PERALTA, Minister Resident of Costa Rica, at Washington ..... 211
Remarks of Prof. JAMES T. GARDNER ..... 213
The Spitzbergen Seas and a Boat Journey in Lapland, by ALEXANDER H. VAN DER HORCK ..... 214
The Republics of South Africa, by Miss RUSSELL, of Victoria, South Africa ..... 235
A Discourse on the Philosophy of the North American Indians, by Major J. W. POWELL, U. S. Geologist ..... 251
China: The Country and People, by S. WELLS WILLIAMS, LL. D ..... 269
Ugunda and the White Nile, by Col. CHAILLÉ LONG, Bey ..... 285
The River Mackenzie, by A. J. RUSSELL ..... 305

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Greene, G. S.
Greene, G. S., Jr.
Greenwood, Isaac J.
Greene, John W. (L. F.)
Greenebaum, David S.
Green, John.
Green, John C. (L. F.)
Greenleaf, Augustus W.
Greene, F. V.
Gregory, James F.
Grinnell, Robert M.
Griswold, George. (L. F.)
Grosvenor, James B.
Guernsey, Egbert.
Gunther, Charles G.
Gunther, William H.
Gunther, F. F.
Guth, John.

Hadden, John A. (L. F.)
Haight, Charles C.
Haight, Edward, Jr.
Haines, John P.
Haldeman, S. S.
Hallgarten, Adolphus.
Hallgarten, Charles L.
Hall, A. Oakey.
Hall, Elial F.
Hall, Randall C.
Halleck, Henry W.
Hallock, Mrs. Francis.
Halsted, Geo. B.
Halsted, William M.
Hamersley, Louis C. (L. F.)
Hamersley, A. Gordon. (L. F.)
Hamersley, John W. (L. F.)
Hamilton, Alexander, Jr.
Hammond, William A.
Hammond, Henry B.
Hampton, Elwood.
Hancock, Winfield S.
Hand, Clifford A.
Hand, Robert N.
Hanemann, John F.
Harbeck, John N.
Harper, Nathan.
Harper, P. J. A.
Harris, Townsend. (L. F.)
Harris, Sigmund.
Harrison, Thomas F.
Hartt, Charles F.
Hascall, William S.
Hatch, Rufus.
Hatfield, J. B. T.
Havemeyer, James.
Havemeyer, Hector C.
Havemeyer, John C. (L. F.)
Havemeyer, Theodore A.
Havens, Charles G.
Hawes, James W.
Hawkes, W. Wright.
Hawk, Samuel.
Hawkins, Dexter A.
Haydock, George G.
Hayes, Isaac I.
Hay, Allen.
Hay, John.
Hazard, Rowland R.
Hazen, W. B.
Hegeman, William A. O.
Heins, Wm. F.
Helmuth, William T.

Heminway, Albert G.
Henderson, John C.
Hendricks, M. M.
Hendricks, Joshua.
Hendricks, Edmund.
Hensel, M.
Herring, Silas C.
Herring, Frank O.
Herpich, Charles A.
Heuer, William H.
Hewitt, Abram S.
Higgins, A. Foster.
Hill, Frank A.
Hitchcock, Roswell D.
Hitch, Henry F.
Hoare, W. Robert.
Headley, John C.
Hoe, Richard M.
Hoes, William M.
Hoffman, William B.
Hodges, M. F.
Hodgskin, James B.
Hoguet, Henry L.
Hoguet, Robert J.
Holbrook, E. W.
Holbrook, E. F.
Holbrook, Levi.
Holcombe, William F.
Holt, Henry.
Holton, David P. (L. F.)
Holden, Daniel J.
Holman, Frank E.
Hoppenstedt, G. L.
Hoppin, W. W., Jr.
Hoppin, William J.
Houston, D. C.
Howard, Thomas T., Jr.
Howard, John R.
Howell, Charles W.
Howes, Leander T.
Howland, Meredith.
Hoxie, Richard L.
Hoyt, David.
Hoyt, Oliver.
Hoyt, Harlow M.
Hubbard, O. P.
Hughes, John.
Hughes, William H. T.
Hurlbert, William H.
Hunt, Wilson G.
Hutchins, Waldo.
Hun, Leonard G.
Hunter, Edward.
Huntington, C. P.
Hunter, Charles. F.
Hunter, John W.
Huntington, Daniel.
Hurlburt, Henry A. (L. F.)
Hutton, Benjamin H.
Hyde, Henry B.
Hyde, Samuel N.
Hyde, Samuel T.

Ingraham, David P.
Ireland, John B.
Isaacs, Isaac S.
Iselin, William E.
Iselin, Adrian, Jr.
Ives, Frederick E.
Ivison, Henry.

Jacob, Ephraim A.
Jackson, H. A.
Jackson, James F.
Jackson, Frederick W.
Jaffray, Edward S.
Jaffray, Robert.
James, Frederick P.
James, D. Willis.
Jameson, Joseph A.
Janssen, Gerhard.
Jarvis, Nathaniel, Jr.
Jarvis, Robert M.
Jay, John. (L. F.)
Jenkins, William L.
Jesup, M. K.
Johnson, Henry W.
Johnson, Henry J.
Johnson, Hezron A.
Johnson, Rossiter.
Johnson, William M.
Johnston, John T.
Johnston, Jas. W.
Johnston, Melville M.
Jones, John D. (L. F.)
Jones, Walter R. T.
Jones, John Q.
Jones, George.
Jones, Edward Renshaw.
Jones, John M.
Jordan, Conrad N.
Jordan, Edward.
Joy, Charles A.
Judson, William D.

Kalbfleisch, Charles H.
Kane, J. Grenville.
Kauffman, Samuel
Kayser, Julius.
Kearny, Joseph R.
Keck, Thomas.
Keese, Samuel T.
Kelly, Eugene.
Kemble, Gouverneur N.
Kemp, John H.
Kemp, William.
Kendrick, H. L.
Kennan, George.
Kennedy, Robert L.
Kennedy, Harvey.
Kent, Andrew W.
Ketcham, Enoch.
Ketchum, Franklin M.
Keteltas, Eugene.
Kidder, Henry P.
King, Oliver K.
King, George.
King, Lewis.
King, David.
King, Edward.
Kingsland, A. C.
Kingsland, William M.
Kirkland, Charles P.
Kip, Lawrence.
Kitching, Robert N.
Klamroth, Albert.
Kobbé, Herman.
Koonz, P. J.
Knapp, Herman.
Knapp, Gideon L.
Knauth, Percival.
Knoedler, Julius.
Knower, John.
Kunhardt, Henry R.

Lancey, Robert C.
Lane, Smith E. (L. F.)
Lane, George W.
Langdon, Walter. (L. F.)
Langdon, Woodbury.
Lanier, J. F. D.
Lanier, Charles.
Lambert, E. W.
Lamborn, Robert H.
Lamson, Charles.
Larremore, Richard L.
Lathers, Richard. (L. F.)
Lathrop, F. S. (L. F.)
Latting, John J.

Lauterbach, Edward.
Lawrence, John S. (L. F.)
Lawrence, Abraham R.
Lawrence, Joseph B.
Lawrence, Effingham H.
Lawrence, Alexander C.
Lawrence, Samuel B.
Lawrence, George N.
Lawton, Walter E.
Leaman, Walter L.
Leary, Arthur.
Leavenworth, E. W.
Le Comte, Joseph.
Lederle, Joseph.
Lee, Ambrose.
Leggett, Francis W.
Lehmaier, M. H.
Le Moyne, E. M.
Lenox, James.
Leonard, William H.
Lesher, Stephen R.
Leslie, Frank.
Letson, Robert S.
Leuthner, Frederick.
Levino, Alexander M.
Lewis, Walter H.
Libbey, William. (L. F.)
Lienau, Lewis A.
Lindau, Leopold.
Littel, Eugene.
Little, James.
Littlejohn, James.
Livermore, Edwin R.
Livingston, Robert E.
Livingston, John A.
Livingston, Cambridge. (L. F.)
Livingston, Robert J. (L. F.)
Lockwood, B.
Loew, Frederick W.
Lord, George W. T.
Lord, G. De Forest.
Longstreet, Charles A.
Lorillard, Peter.
Lorillard, George L.
Low, Seth.
Low, A. A.
Low, A. Augustus.
Low, Josiah O.
Lowrey, James P.
Ludlow, William.
Luff, George.
Lüling, Chas.
Lydig, David.
Lyell, John H.
Lyman, Edward H. R.

Maas, F. M.
Mackie, Robert.
MacKellar, William.
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Maclay, M. B.
Maclay, Robert.
Macy, William H.
Macy, Arthur.
Macmillan, Frederick.
Marcus, Arnold.
Magnus, Carl,
Magoun, George C.
Mailler, W. H.
Mallory, Charles H.
Mallory, John C.
Mali, D. Weyman.
Man, Albon P.
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Marble, Manton.
Marbury, Francis F.
Marie, Peter. (L. F.)
Marks, Joseph H.
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Marsh, Luther R.
Marshall D. D. T.
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Marshall, Charles H.
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Martin, Bradley.
Martin, George C.
Martin, John M.
Martine, Randolph B.
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Matthews, Edward. (L. F.)
Mattson, Morris.
May, Lewis.
Maynard, George W.
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McAlpin, David H.
McClure, George.
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McElligott, Henry R.
McFarland, Walter.
McLanahan, Geo. W.
McLean, James M.
McMahon, M. T.
McMullen, John.
Meeker, William B.
Meeker, H. G.
Menken, J. Stanwood.
Merrall, William J.
Merritt, M. F.
Meyer, F. William.
Meyer, L. H.
Meyer, Theodore F. H.
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Miles, Edward D.
Miller, Philip S.
Miller, Edmund H.
Miller, George M.
Mltchell, Edward.
Mitchell, Edwin P.
Mitchell, Grove P.
Mitchell, W. Howard.
Mitchill, Samuel A.
Moir, James.
Monheimer, Joseph A.
Montague, George L.
Monroe, Ebenezer.
Montgomery, Thomas H.
Montgomery, Archibald G., Jr.
Moore, George H. (L. F.)
Moore, Frank. (L. F.)
Moore, W. H. H. (L. F.)
Moore, C. B.
Moore, Henderson.
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Morgan, Edwin D.
Morgan, William D.
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Morris, Harry M.
Morris, Henry L.
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Morrison, Henry.
Morrison, Edward.
Morton, Levi P.
Motley, James M.
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Mott, Alexander B.
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Mount, Richard E. (L. F.)
Murphy, Henry C.
Murphy, Thomas.

Murray, D. Colden.
Myers, T. Bailey.
Myers, John K.
Myers, John K., Jr.
Myers, Alfred G.
Myer, A. J. (L. F.)

Neergaard, William.
Negus, T. S.
Neilson, William H.
Neilson, Frederic.
Nesmith, R. D.
Newcombe, Isaac B.
Newell, John.
Newton, Isaac.
Newton, John.
Niblo, William.
Niles, Marston.
Niles, William W.
Nones, Alexander.
Norrie, Adam. (L. F.)
Norris, George.
Northrop, A. L.
Nott, J. V. Henry.
Nourse, J. E.
Norwood, Andrew G.

Oakley, E. Benedict.
O'Conor, Charles.
O'Connor, Thos. H.
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Ogden, Alfred.
O'Hara, Charles E.
Olmstead, Dwight H.
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Olney, Peter B.
Olyphant, Robert M.
Oppenheimer, Joseph.
Opdyke, Wm. S.
Orton, William.
Osgood, Franklin.
Ottendorfer, Oswald.
Otterbourg, Marcus.
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Owen, Edward L.
Owen, Frederick N.
Owen, Wm. H.

Packer, Elisha A.
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Palmer, James W., Jr.
Palmer, W. J.
Pancoast, George.
Paris, Sherman.
Parish, Henry.
Parish, Daniel, Jr.
Parke, John G.
Parker, Willard.
Parsons, George W.
Parsons, Levi.
Parton, James.
Paton, John.
Pastor, Henry.
Paulison, John P.
Peabody, Charles A.
Peabody, Arthur J.
Peake, William I.
Peckham, Walton H.
Peet, Wm. E.
Peipers, Hugo.
Pell, Robert L.
Pellew, Henry E.
Penfold, William Hall.
Perkins, Geo. W.
Perry, Oliver H.
Pfeiffer, Carl.
Pfund, Anton.
Phelps, Royal. (L. F.)
Phelps, Charles H.
Phelps, J. N.
Phillips, Charles B.
Phillips, George W.
Phoenix, S. Whitney. (L. F.)
Pierrepont, Edwards.
Pierrepont, J. Jay.
Pierrepont, Henry E., Jr.
Pierrepont, Henry E. (L. F.)
Platt, James N.
Plum, Elias.
Plum, Jas. R.
Poe, O. M.
Pohlman, Wm.
Pondir, John.
Poor, Henry V. (L. F.)
Pope, John.
Popham, William H.
Poppenhusen, Adolph.
Porter, David D.
Porter, John K.
Porter, Horace.
Potter, Howard.
Potter, Clarkson N.
Potter, Orlando B.
Powers, William P.
Powers, George J.
Pratt, Daniel R.
Preble, John Q.
Prentice, W. P.
Prichard, William M.
Prime, William C.
Prime Frederick. (L. F.)
Prime, Frederick E. (L. F.)
Probasco, Samuel R.
Pruyn, John V. L.
Pullman, Geo. M.
Pumpelly, Raphael.
Purser, George H.
Putman, F. W.
Putzel, Mayer.
Pyne, Percy R.

Quinn, James B.
Quintard, Edward A.

Raht, Richard.
Ramsey, Charles G.
Randolph, A. D. F.
Ranft, Richard.
Ransom, F. A.
Rapallo, Charles A.
Rathbone, Aaron H.
Raven, Anton A.
Raynolds, C. T.
Read, J. Meredith.
Reckendorfer, Joseph. (L.F.)
Redding, George H.
Reed, Mrs. Sylvanus.
Reid, Whitelaw.
Reinhart, B. F. (L. F.)
Remsen, William.
Renauld, Peter A. H.
Requa, James M.
Reynes, Jayme.
Rhinelander, William C.
Rhoades, John H.
Rhoades, Lyman.
Richard, Charles B.
Richards, Augustus D.
Richard, Auguste.
Richardson, William A.
Richmond, Henry A.
Riker, William J.
Riley, Charles V.
Rives, G. L.
Rives, Francis R.
Robbins, Henry A.
Robbins, H. W., Jr.

Robbins, Chandler. (L. F.)
Robbins, George S.
Robeson, George M.
Roberts, Nathan B.
Roberts, Marshall O.
Robinson, Eugene N.
Robinson, Henry E.
Rodriguez, J. C.
Roelker, Bernard.
Rogers, H. Livingston.
Rogers, C. B. (L. F.)
Rollins, Daniel G., Jr.
Rollins, Edward A.
Roosevelt, Clinton.
Roosevelt, Theodore.
Rossell, William T.
Rose, Charles.
Rose, Cornelius.
Rosenfeld, Isaac.
Ross, Arthur.
Ross, Wm. B.
Riker, John H.
Ruggles, Samuel B.
Ruggles, Philo T.
Russell, Archibald D.
Rutherfurd, L. M.
Rutherfurd, John A.
Rutton, August.

Sachs, Henry M.
Salomon, Edward.
Sands, Andrew H.
Sands, Philip J.
Sands, Harry M.
Sanford, Samuel B.
Sandford, Elliott. (L. F.)
Sanger, A. L.
Savage, John.
Sawyer, Warren.
Schack, Fred.
Schafer, Samuel M.
Schafer, Simon.
Schaus, William.
Schell, Richard. (L. F.)
Schell, Augustus. (L. F.)
Schem, Alex. J.
Schermerhorn, W. C.
Schermerhorn, F. Augustus.
Schieffelin, H. M.
Schieffelin, Samuel B.
Schiff, Jacob H.
Schlesinger, Alfred.
Schlesinger, B.
Schmidt, Oscar E.
Schofield, John M.
Schultz, Carl H.
Schultz, John H. (L. F.)
Scott, Julian. (L. F.)
Scott, Henry L.
Scott, Thomas A.
Scribner, John B.
Scudder, Henry J.
Seligman, James.
Seligman, Jesse.
Seligman, Joseph.
Seward, Clarence A.
Sewall, Henry F.
Sewell, Robert.
Shaler, Alexander.
Sharpe, George H.
Shea, George.
Sheafe, J. F.
Sherman, Isaac.
Sherman, W. Watts.
Sherman, Benjamin B.
Sheridan, Philip H.
Sherwood, John,
Shethar, Samuel.
Short, Charles.
Sibley, Henry H.
Sibley, Hiram W.
Siegman, Michael.
Sigel, Franz.
Simons, S. A.
Simpkins, N. S., Jr.
Simpson, James H.
Sistare, George K.
Skidmore, Jeremiah.
Slevin, Thomas E.
Sloan, Samuel.
Smales, Holbert.
Smith, Augustine.
Smith, Apollos.
Smith, Dwight.
Smith, Lewis Bayard.
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Smith, George P.
Smith, Harsen H.
Smith, James O.
Smith, James M., Jr.
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Spaulding, Henry F.
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Spencer, James C.
Spingarn, Siegmund.
Spinney, Joseph S.
Spofford, Paul N.
Squires, Robert.
Stanford, William H.
Stanton, Walter.
Stebbins, Henry G.
Steiger, E.
Steinway, William.
Stengel, Frederick.
Stern, Myer.
Stevens, Aledander H.
Steward, D. Jackson.
Stewart, Charles S.
Stewart, Charles J.
Stiger, William E.
Stillwell, Benjamin M.
Stokes, James.
Stone, A. B.
Stone, Charles F.
Stone, Henry.
Storrs, Charles. (L. F.)
Stoughton, Charles B.
Stoughton, Edwin W.
Stout, Francis A. (L. F.)
Stranahan, J. S. T.
Strazburger, Oscar.
Strebeigh, Robert M.
Striker, J. A.
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Struve, G. A.
Strong, Charles E.
Stryker, Wm. S.
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Stuart, Robert L.
Stuart, Alexander.
Stuart, Joseph.
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Sturgis, Frank K.
Sturgis, Appleton.
Stuyvesant, Rutherford. (L. F.)
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Suckley, George. (L. F.)
Sulzbacher, Wm.
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Swan, William H.
Swarr, David M.

Taintor, Charles M.
Talmadge, Henry P.
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Tapscott, James J.
Taylor, Douglas.
Taylor, George.
Taylor, Bayard.
Taylor, Alfred J.
Tefft, Erastus T.
Tellkampf, T. A.
Terbell, Henry S.
Terry, Edward.
Terry, Alfred H.
Terry, Roderick.
Therasson, L. F.
Tompkins, E. H.
Tompkins, Hamilton B.
Thompson, David G. (L. F.)
Thompson, John C.
Thompson, Joseph P.
Thomson, James.
Thorne, Jonathan.
Thorne, William H.
Thornell, Thomas L.
Thurber, Francis B.
Tiemann, P. C.
Tiffany, Charles L.
Tilden, Samuel J.
Tilden, Wm.
Toel, Wm.
Tooley, James W.
Totten, Geo. M.
Tousey, Sinclair.
Tower, Z. B.
Townsend, Martin I.
Townsend, Randolph W.
Tracy, William.
Tracy, Charles.
Tracy, John F.
Tremain, Edwin R.
Trenchard, Edward.
Trevor, John B.
Tucker, Paul.
Tuckerman, Lucius.
Turner, Herbert B.
Twining, W. J.
Tyler, Arthur W.

Uhl, Herman.
Upton, Emory.

Van Alen, James J.
Van Alen, J. H.
Van Brunt, Cornelius.
Van Brunt, Charles H.
Van Buren, John D., Jr.
Van Hoesen, Geo. M.
Vance, Samuel B. H.
Van Rensselaer, K.
Van Santvoord, C.
Van Volkenburgh, P.
Van Vorst, Hooper C.
Valentine, Lawson.
Vanderbilt, W. H.
Vanderpoel, Aaron J.
Vanderpoel, A. Ernst.
Varick, Theodore R.
Vail, Henry F.
Viele, Egbert L.
Verhuven, Henry F.
Vincent, Frank, Jr.
Von Post, H. C.
Von Dorrien, S.
Voorhis, William.
Vyse, Thomas A., Jr.

Wadsworth, Julius.
Waite, M. R.
Waite, Charles C.
Wales, Salem H.
Walker, Evan T.
Walker, William.
Wallack, J. Lester.
Waller, Elwyn.
Wallis, George B.
Walter, Ellwood.
Walraven, Ira E.
Ward, George C. (L. F.)
Ward, Elijah.
Ward, Roswell B.
Warren, James K.
Warren, Gouverneur K.
Warren, George Henry.
Warner, Lewis T.
Watson, William.
Watson, B. F.
Watson, John H.
Watts, Ridley. (L. F.)
Webb, Alexander S.
Webb, William H.
Weber, Leonard.
Weber, Albert.
Webster, Sidney.
Wedemeyer, A. J. D.
Weeks, John A.
Wells, Jacob.
Wendell, Jacob.
Wesendonck, Hugo.
Westermann, B.
Weston, Theodore.
Wetmore, George P. (L. F.)
Wetmore, Samuel. (L. F.)
Wetmore, William B. (L. F.)
Weyman, Charles S.
Wheeler, John V.
Wheeler, Everett P.
Whipple, C. W.
White, David.
White, H. C.
White, Alexander M.
White, Charles T.
White, Loomis L.
Whitehead, Wm.
Whittier, John G.
Wiener, Joseph. (L. F.)
Wilcox, Franklin A.
Wilkeson, Samuel.
Wilson, J. H.
Wilson, James G. (L. F.)
Willard, Seymour.
Willard, J. H.
Willets, Samuel.
Wilder, Marshall P.
Wilkes, George.
Williams, Geo. B.
Williams, Stephen C. (L. F.)
Williamson, David B.
Windmüller, Lewis.
Windmüller, T.
Winslow, Edward F.
Winston, Frederick S.
Wissman, J. F.
Witthaus, G. H. (L. F.)
Wood, Fernando.
Woodruff, Israel C.
Work, J. Henry.
Wolfe, Christopher.
Worthen, William E.
Worth, James L.
Wooster, George H.
Wreaks, Charles F.
Wright, E. Kellogg.
Wrigley, Henry E.
Wyckoff, Jacob F.

Young, Mason.
Youngs, Henry I.
Yoshida, Kiyonari.

Zachos, J. C.
Zborowski, Martin.
Zollikoffer, Oscar.

# PART I.

# TRANSACTIONS

OF THE

# SOCIETY FOR THE YEAR 1876.

# PART II.

# PAPERS READ BEFORE THE SOCIETY.

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